Contract Administration Division Solicitation Services Tools (SST)

Systems Overview

SST – Applications Vs Programs
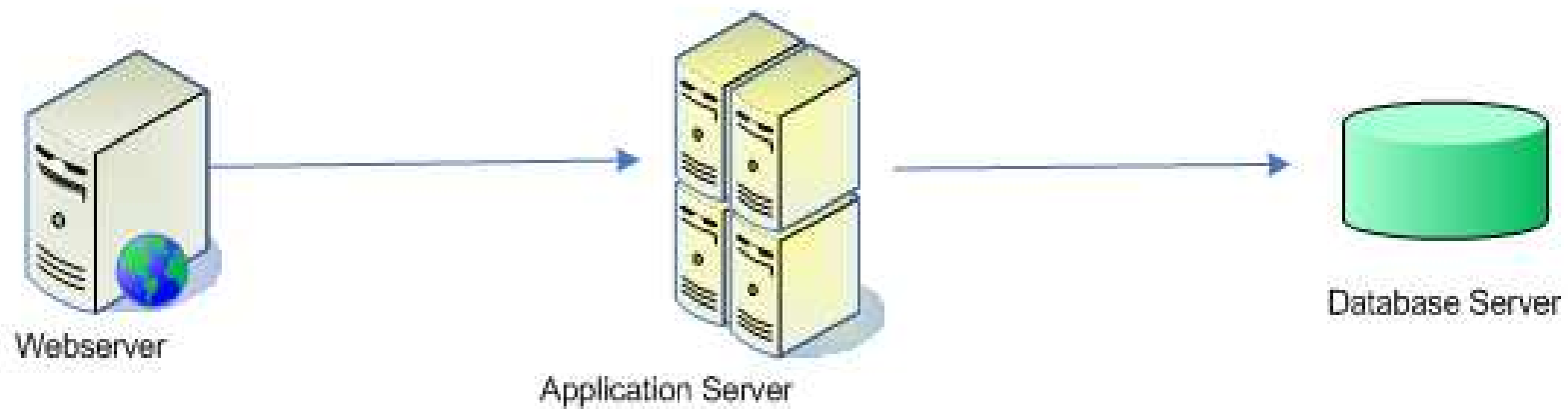
Web Applications	Client-Server	Program
SWS		MAS*/ Stock/SOP
eOffer/eMod		MAS*
ORS		MAS*
FARMS	AirFare	City Pairs
COPS	CpAwards	City Pairs
Airline City Pairs (Search)		City Pairs
eCAT		FAR

*MAS – Multiple Award Schedules

Programs

- **MAS – Multiple Award Schedules**
  - eCAT – Library of all FAR
  - SWS -   Creates/publishes solicitations for a schedule
  - eOffer – Receive e-Offers
  - eMod – Receive e-Mods for Schedule contracts
  - ORS/PET - Evaluate Offers

- **Stock/SOP**
  - SWS -   Creates a solicitation on a schedule

- **City Pair**
  - FARMS – Consolidates all requirements from Federal agencies
  - COPS – Receives bids for the market pairs
  - AirFare – Evaluate and compare bids
  - CPAward – Award the Contracts
  - Airline Search – Awarded rates can be searched.
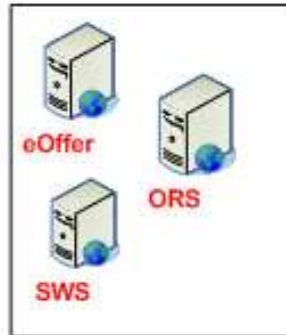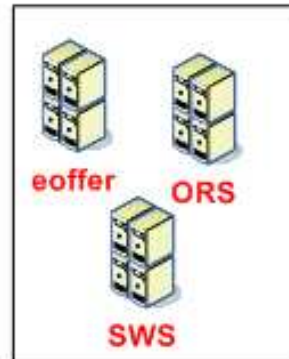
SST - Web Applications Framework

Webserver   Application Server   Database Server

SST – Software

Java	Coldfusion	Powerbuilder
SWS	eCAT	AirFare
eOffer/eMod	FARMS	CpAwards
ORS	COPS	
	Airline Search	

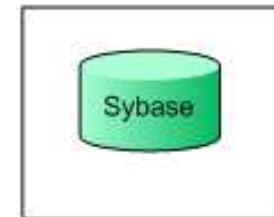# SST – Production Hardware

Java

Web Server Host – EPWEB1
Machine: Dell2650
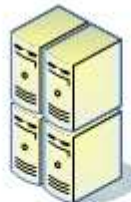OS: Rhel5
Apache instances

Application Server Host – EAGU29
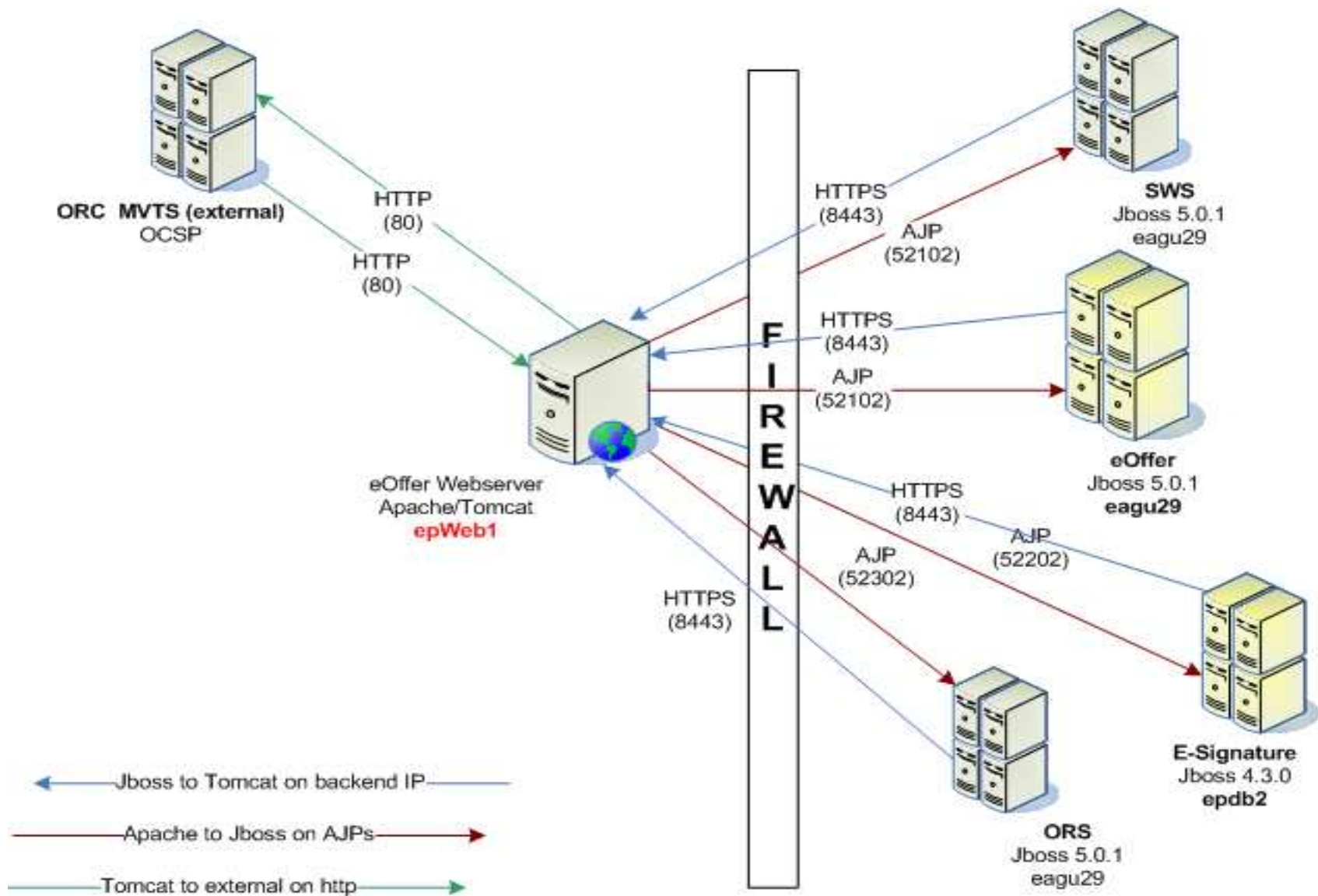Machine: M8000
OS: Solaris
Jboss Instances

Database Server Host – EPDB1
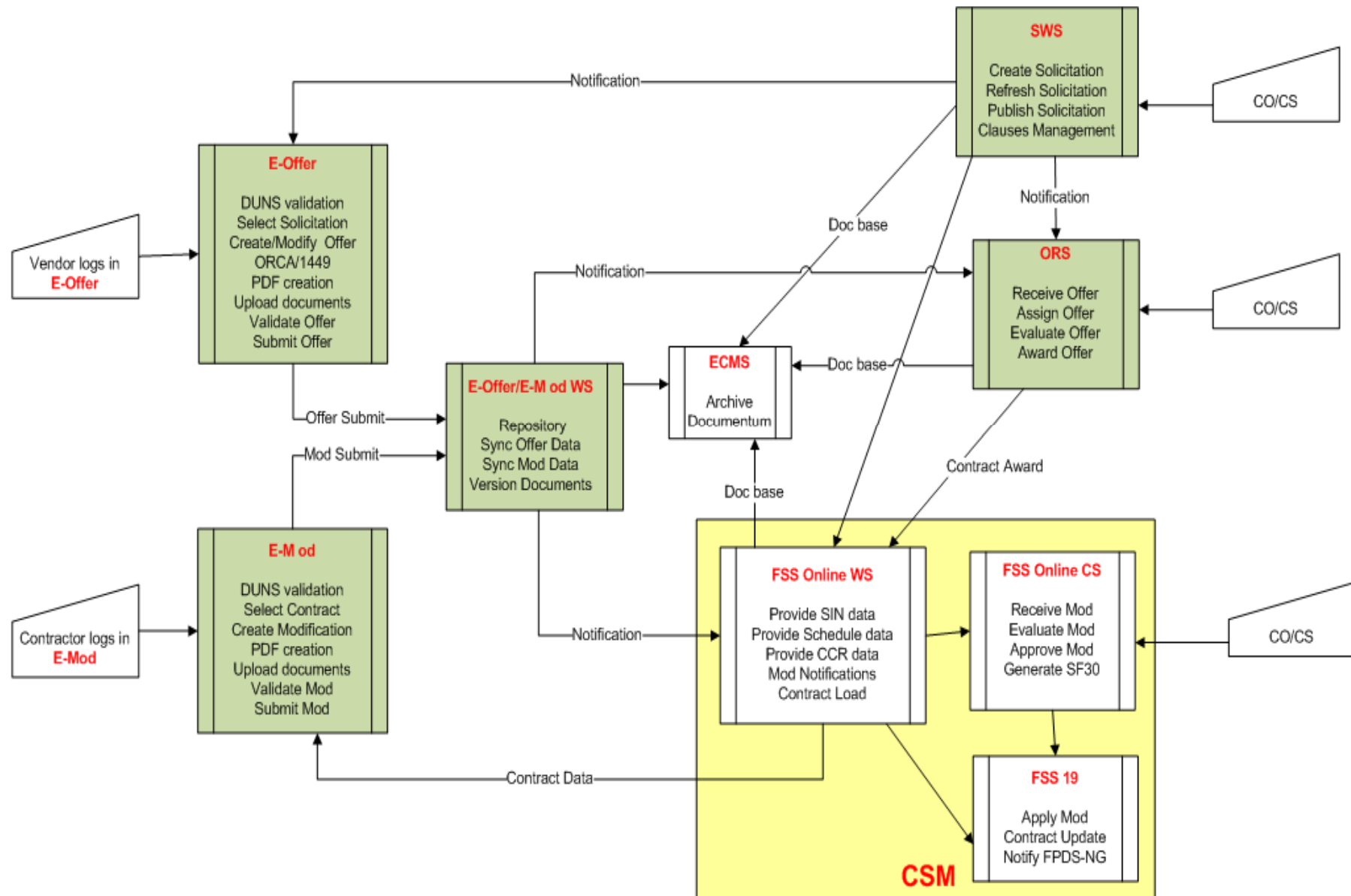Machine: M8000
OS: Solaris
Sybase ASE

Coldfusion

Webserver/Appserver Host - FCOH1S-extweb2
Machine: Windows
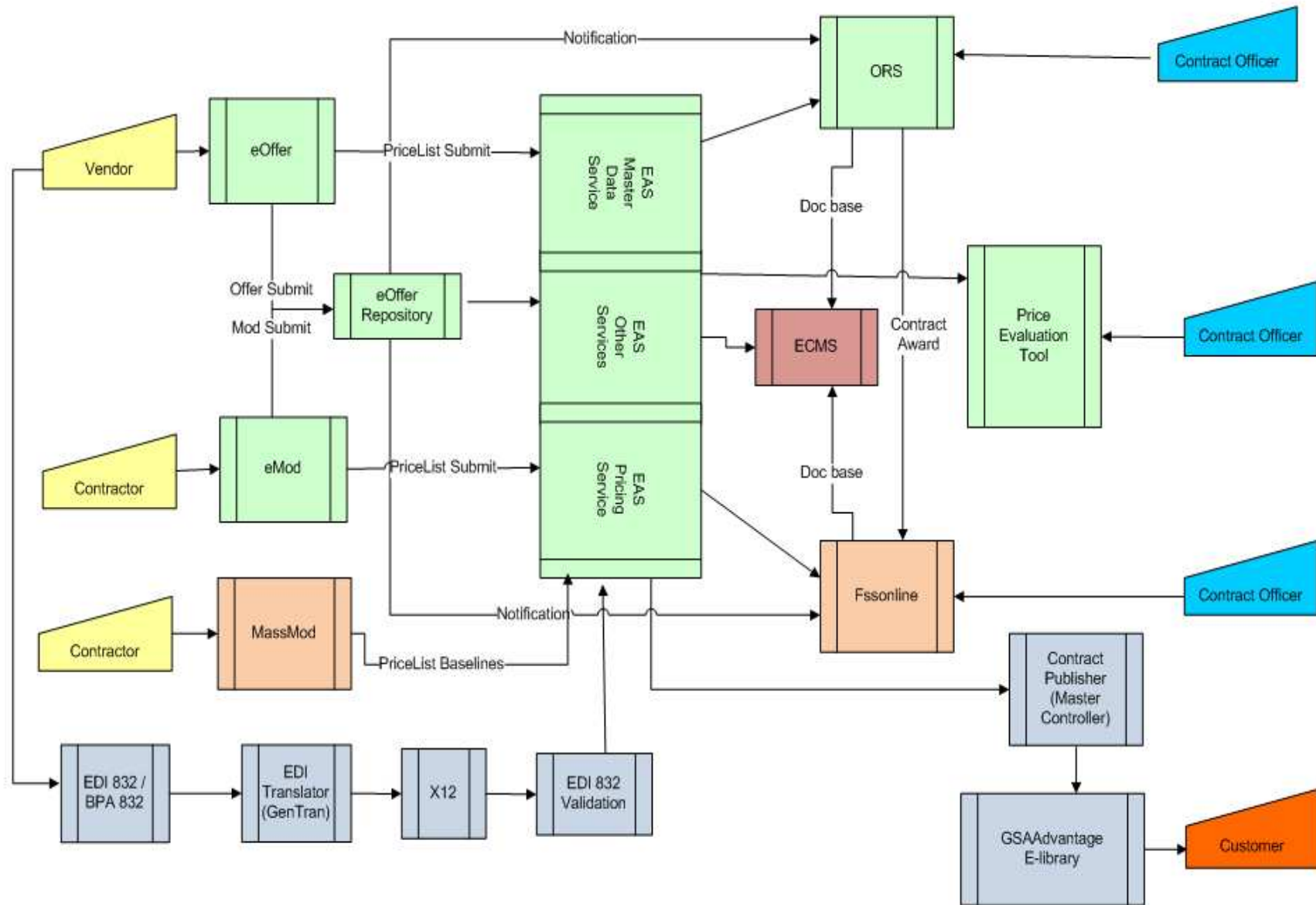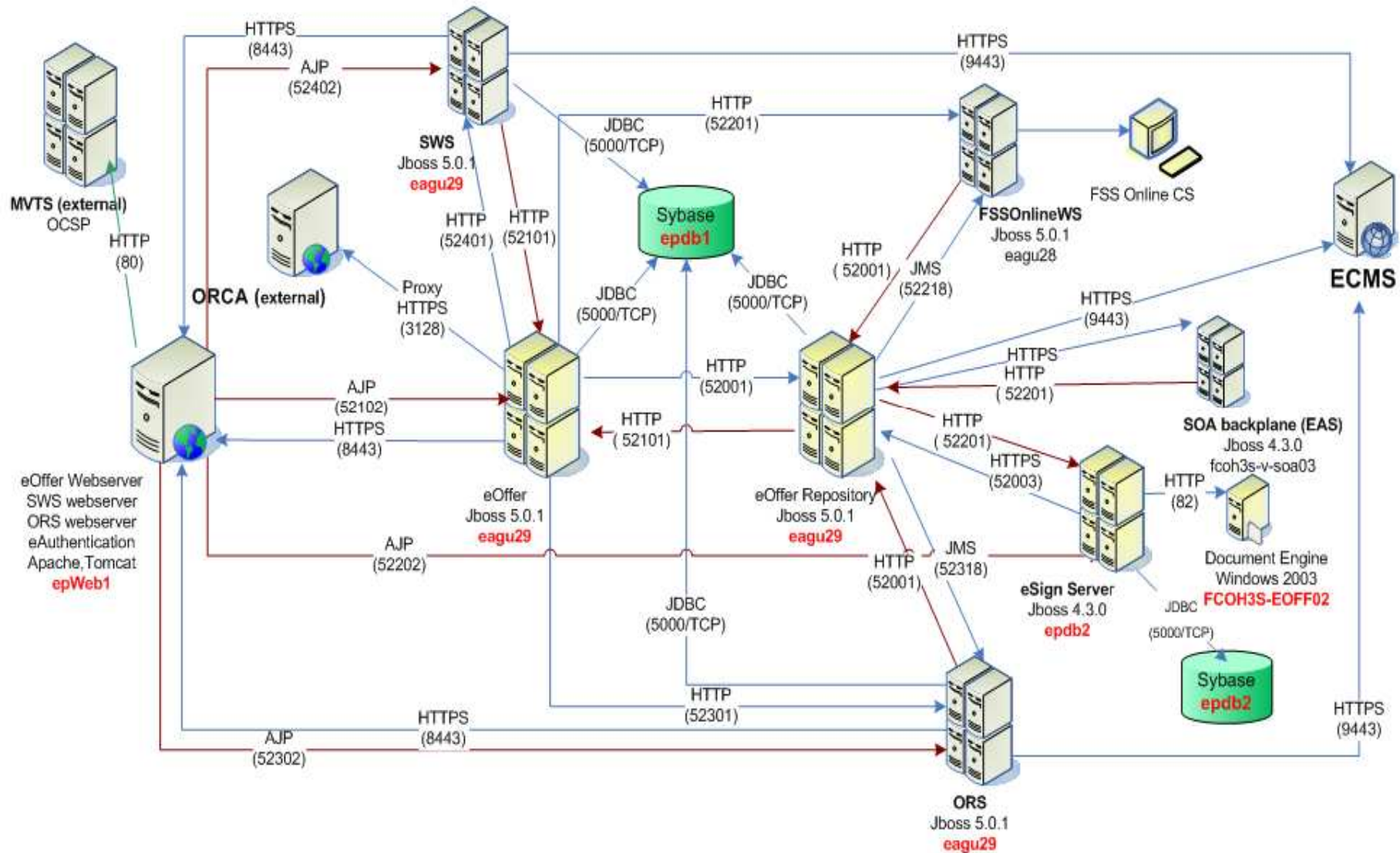OS: Windows 2003
IIS/ Coldfusion instance

SST – MVTS Interaction

ORC **MVTS (external)** OCSP

HTTP (80)

HTTP (80)

FIREWALL

HTTPS (8443)

AJP (52102)

SWS Jboss 5.0.1 eagu29

HTTPS (8443)

AJP (52102)

eOffer Jboss 5.0.1 **eagu29**

HTTPS (8443)

AJP (52202)

AJP (52302)

HTTPS (8443)

E-Signature Jboss 4.3.0 **epdb2**

eOffer Webserver Apache/Tomcat **epWeb1**

ORS Jboss 5.0.1 eagu29

Jboss to Tomcat on backend IP

Apache to Jboss on AJPs

Tomcat to external on http
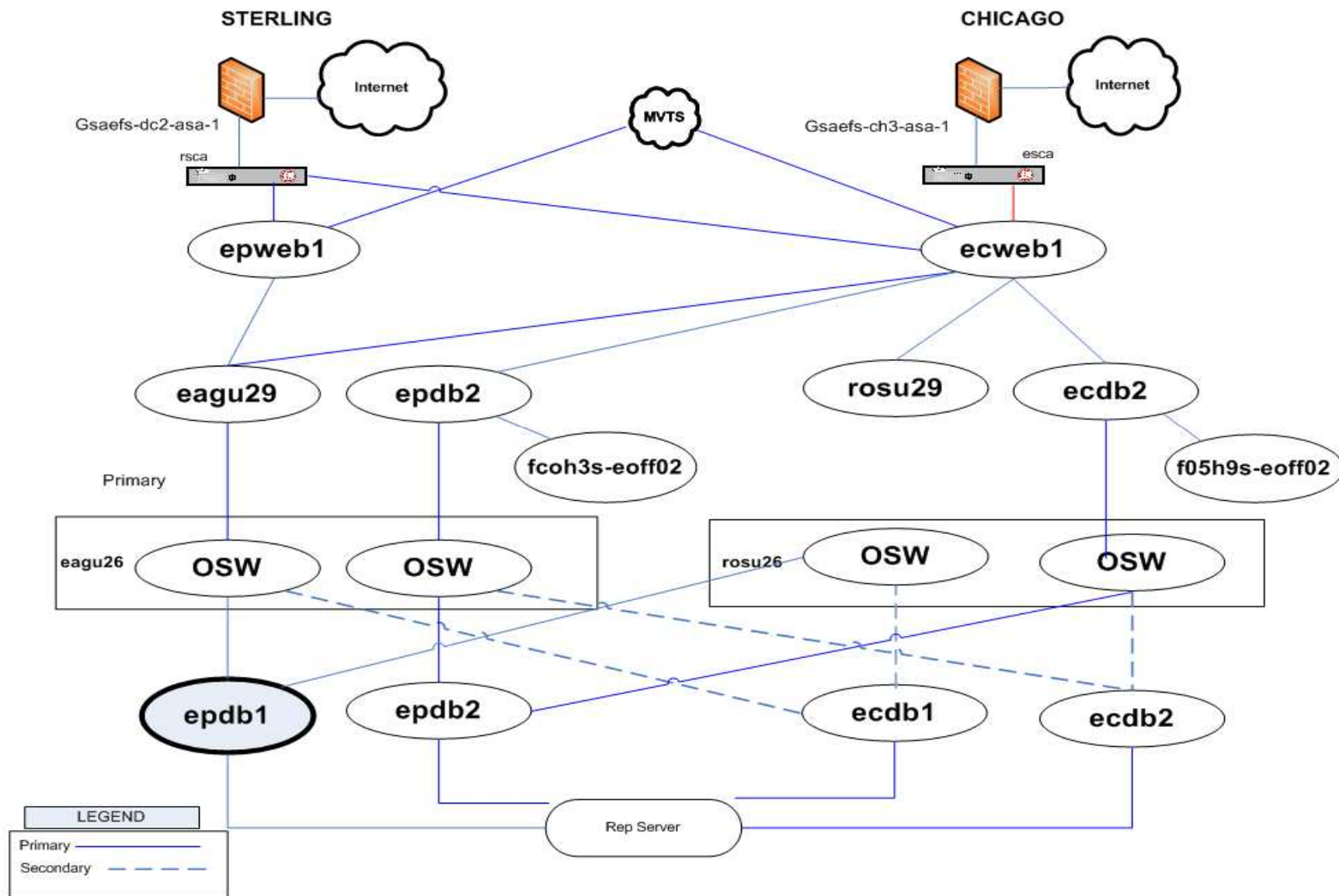
SST – CSM Interaction

SST – CSM – Advantage (EAS) Interaction

SST – Communication Protocols

SST – COOP

What is SOA Backplane

- Service Registry/Repository (SOA Software SM)
  - Register and Search for services.
  - Operational governance & SOA policy enforcement.

- Enterprise Service Bus (Jboss)
  - Protocol conversion - Transparently translate between communication protocols (e.g., HTTP, FTP, REST, SOAP, JSON, DCOM, CORBA, SAP RFC etc.)
  - Translation and transformation - Change data content based on rules
  - Queuing and buffering - Handle differing data processing speeds between sender and receiver

- Business Process Management (Savvion)
  - Systematic approach to improve a company's business processes that involves human interaction.
  - Work with multiple applications
  - Handle dynamic process rules and changes

EAS - SOA Backplane

SOA Backplane